

L Number	Hits	Search Text	DB	Time stamp
5	3821	trimethylolmelamine hexamethylolmelamine (triazine adj ring)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 53
6	153594	PEG polyethylene adj glycol polyethyleneglycol	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 53
7	13072	fluoroalkyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 53
8	32	(trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and fluoroalkyl	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 54
9	4	((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and fluoroalkyl) and (PEG polyethylene adj glycol polyethyleneglycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 53
10	135	(trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and (fluor\$ \$fluoro\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 56
13	2424	fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 59
14	1707	fluoroalkyl and crosslink\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 17: 59
15	991	(trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and crosslink\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 17
16	650	(fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate))) and stain\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 00
17	483	(fluoroalkyl and crosslink\$) and stain\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 00
18	213	((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and crosslink\$) and stain\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 00
19	307	((fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate))) and stain\$) and ((fluoroalkyl and crosslink\$) and stain\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 01
20	3	((((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and crosslink\$) and stain\$) and (((fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate))) and stain\$) and ((fluoroalkyl and crosslink\$) and stain\$)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 01
26	10	((((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and crosslink\$) and stain\$) and ((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) near2 crosslink\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 19
25	62	((((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and crosslink\$) and stain\$) and ((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) same crosslink\$))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 19
12	42	((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and (fluor\$ \$fluoro\$)) and (PEG polyethylene adj glycol polyethyleneglycol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 51
27	0	((((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and (fluor\$ \$fluoro\$)) and (PEG polyethylene adj glycol polyethyleneglycol)) and (fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18: 51

28	548	((PEG polyethylene adj glycol polyethyleneglycol) and (fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate)))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18:53
29	202	((PEG polyethylene adj glycol polyethyleneglycol) and (fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate)))) and stain\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 18:53
30	117	((PEG polyethylene adj glycol polyethyleneglycol) and (fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate)))) and stain\$) and crosslink\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 19:14
31	12	((PEG polyethylene adj glycol polyethyleneglycol) and (fluoroalkyl and ((polyoxethylene near3 \$acrylate) (glycerol adj methacrylate) (glycidyl methacrylate)))) and stain\$) and crosslink\$) and carpet	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 19:14
11	36	((trimethylolmelamine hexamethylolmelamine (triazine adj ring)) and (fluor\$ \$fluoro\$)) and stain\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2001/06/30 20:04

DERWENT-ACC-NO: 1984-247648
DERWENT-WEEK: 198440
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TITLE: Water and oil repellent fibre prodn. - by coating with aq. soln. or dispersion of fluoro polymer, urea or urethane cpd. and triazine cpd.

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1983JP-0022705 (February 16, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59150175 A	August 28, 1984	N/A	007	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP59150175A	N/A	1983JP-0022705	February 16, 1983

INT-CL_(IPC): D06M013/38; D06M015/00

ABSTRACTED-PUB-NO: JP59150175A

BASIC-ABSTRACT: Fibre is coated with an aq. soln. or dispersion contg. (a) 0.05-40 wt.% organic fluorine-contg. polymer, (b) 0.01-10 wt. % urea or urethane cpd. having at least two ethylene imine gps. and (c) 0.01-10 wt.% triazine ring-contg. cpd..

The fibre includes yarns, woven, knitted and nonwoven fabrics, etc. consisting of synthetic and/or natural fibres, (a) is a polymer of fluoroalkyl gp.-contg. monomer or its copolymer with vinyl cpd. such as (meth)acrylic acid and vinyl chloride. (b) and (c) Pref. have at least two polymerisable functional gps..

The three components are attached to fibre in amts. of 0.1-50% owf. to form a film in the thickness of at least 0.05 (0.1-5) microns.

ADVANTAGE - Excellent and durable water and oil repellency is imparted to fibre without loss of soft hand touch.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

WATER OIL REPEL FIBRE PRODUCE COATING AQUEOUS SOLUTION DISPERSE FLUORO POLYMER
UREA URETHANE COMPOUND TRIAZINE COMPOUND

DERWENT-CLASS: A87 F06

CPI-CODES: A04-E10; A12-G03; F03-C02; F03-C02A;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0013 0034 0210 0229 3193 3124 3128 2020 2272 2280 2295 2297 2299
2427 2430 2434 2504 2509 2528 3249 3251 2572 2628 2654 2723 2820 2821 0411 0943
0418 0209 0761 0941

Multipunch Codes: 014 028 03- 034 039 062 064 074 075 076 153 157 175 185 191
231 27& 273 311 318 341 342 397 398 431 436 440 473 477 481 483 51& 52& 53& 532
533 534 535 536 551 560 566 57& 57- 575 596 664 665 667 688 721 014 028 03- 034
039 062 064 074 075 077 153 157 175 185 191 231 27& 273 311 318 341 342 397 398
431 436 440 473 477 481 483 51& 52& 53& 532 533 534 535 536 551 560 566 57& 57-
575 596 664 665 667 688 721 014 028 03- 034 039 061 062 063 064 153 157 175 185
191 231 27& 273 311 318 341 342 397 398 431 436 440 473 477 481 483 51& 52& 53&

532 533 534 535 536 551 560 566 57& 57- 575 596 664 665 667 688 721 014 028 03-
039 062 064 153 157 175 185 191 231 273 311 318 341 342 397 398 431 436 440 473
477 481 483 51& 52& 53& 532 533 534 535 536 551 560 566 57& 57- 575 596 664 665
667 688 721

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1984-104721